

CONTRA COSTA COUNTY CLIMATE ACTION PLAN

PROPOSED DRAFT STRATEGIES AND RECOMMENDED TARGETS TO FOR 2022 UPDATE

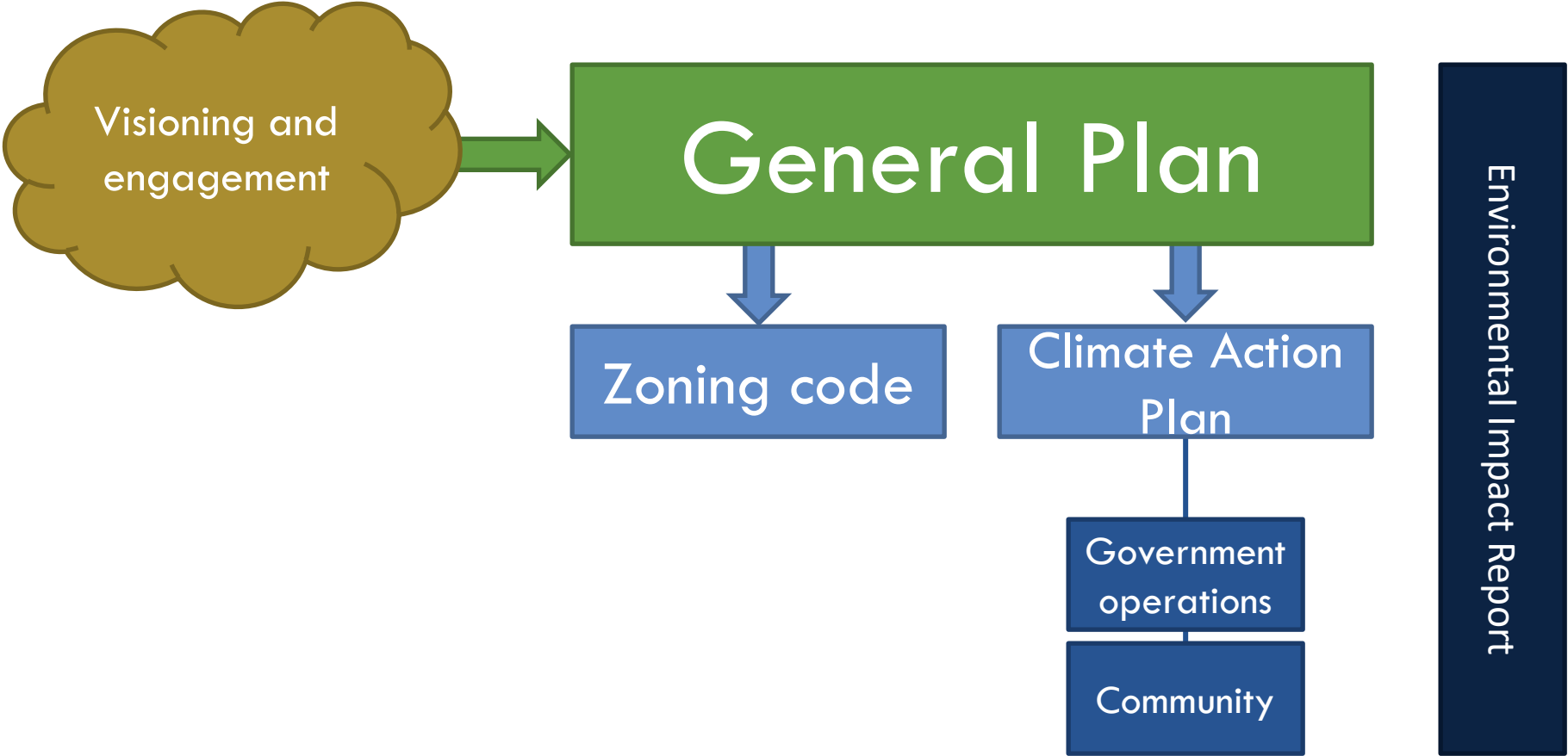
March 28, 2022

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Envision Contra Costa



2022 Climate Action Plan (CAP)



Antioch Dunes National Wildlife Refuge

- Will provide County's strategic plan to reduce greenhouse gas emissions and support climate adaptation and increased resilience to climate hazards and their impacts.
- Will assess current and projected future emissions.
- Will meet requirements for a Qualified GHG reduction strategy for purposes of California Environmental Quality Act (CEQA)

CAP Update Process



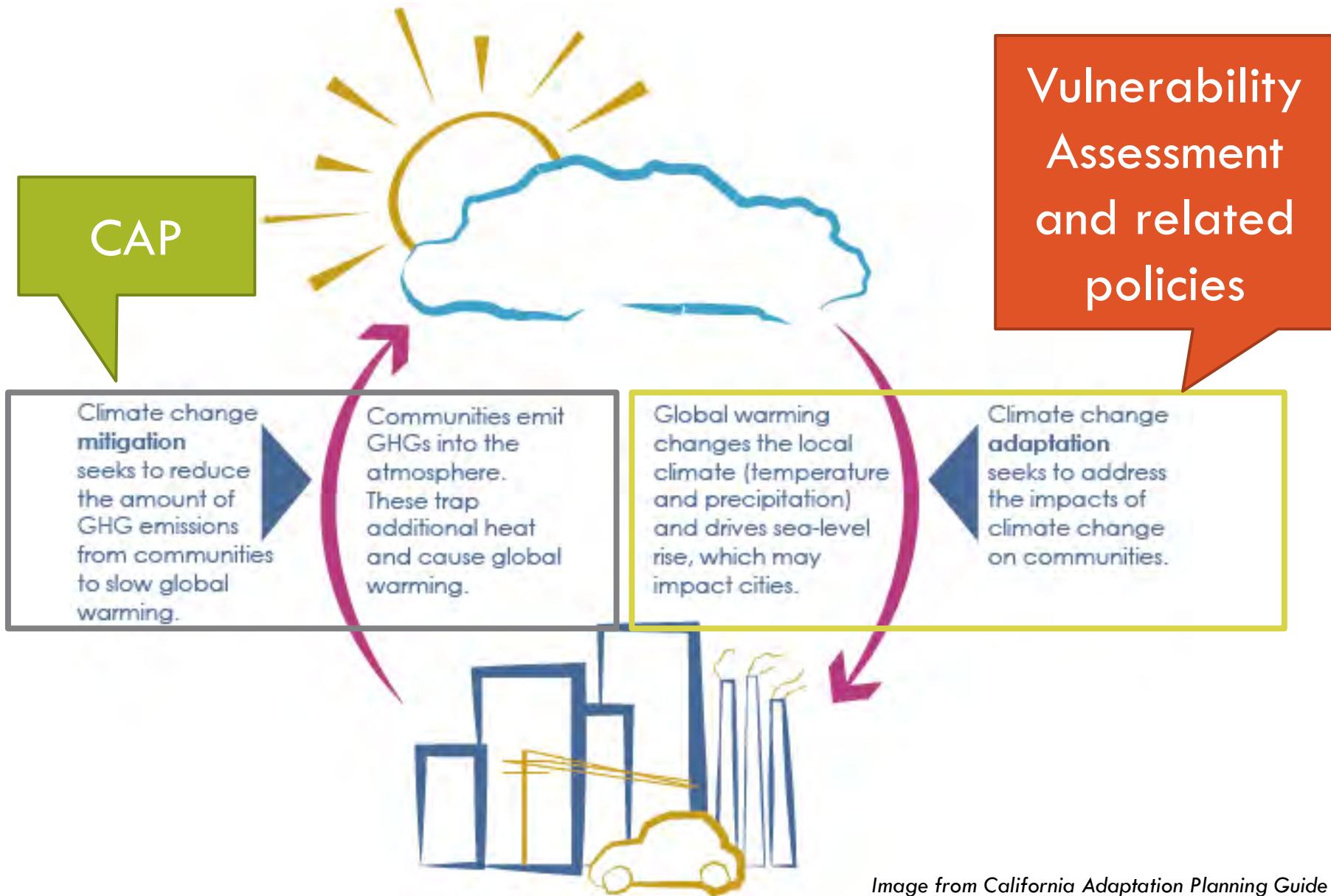


Image from California Adaptation Planning Guide

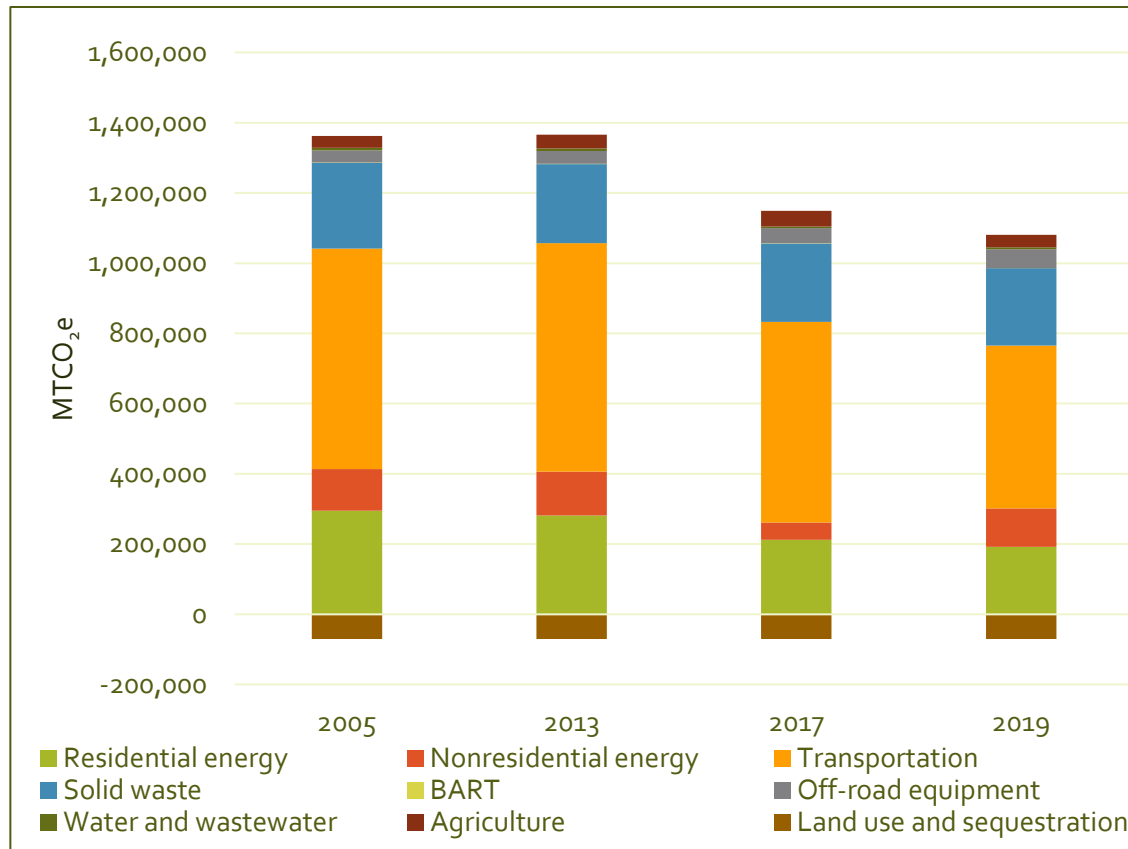
GHG Reduction Targets

- » Communities have flexibility in setting targets.
- » Need to comply with state law and guidance to be used for CEQA purposes.
- » Targets can be absolute or per-capita (per person).
- » CAP Update will build on targets in existing CAP (2015).

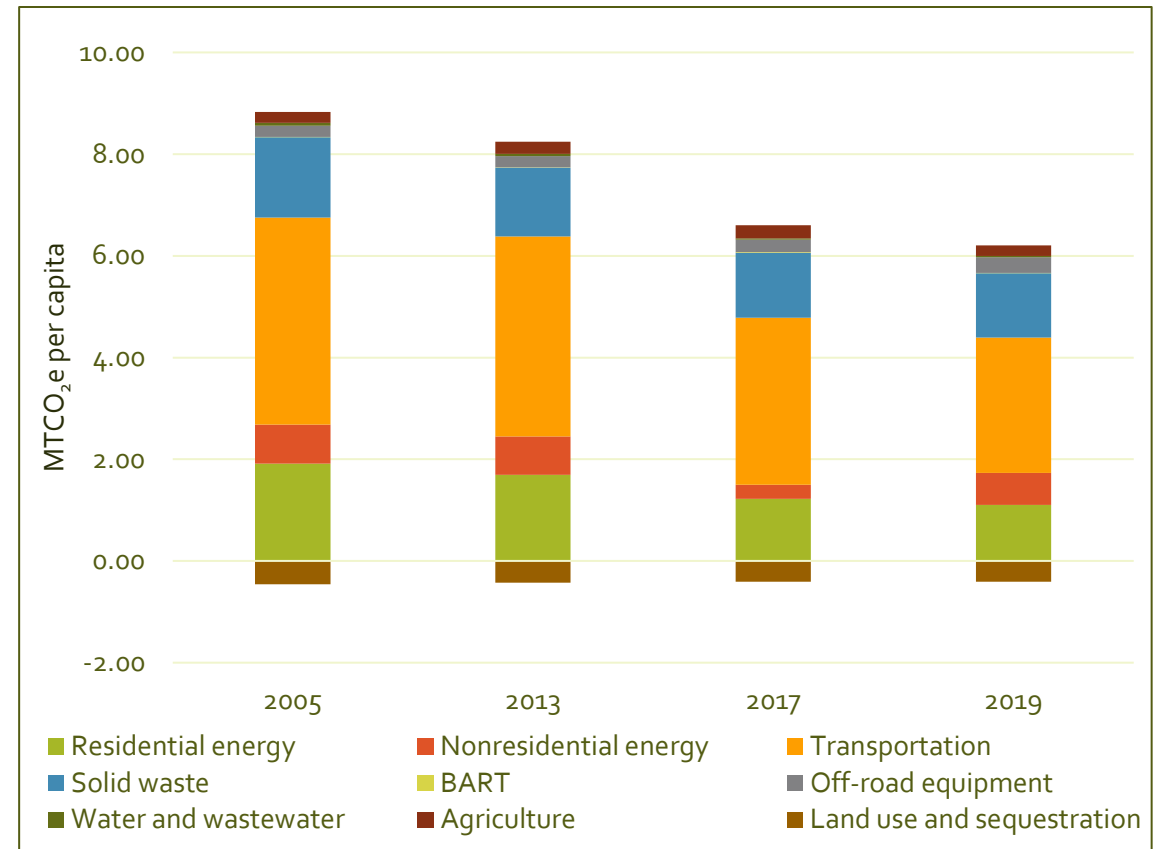


Greenhouse Gas Emissions in Contra Costa County, 2005-2019

Absolute GHG Emissions by Sector, 2005-2019

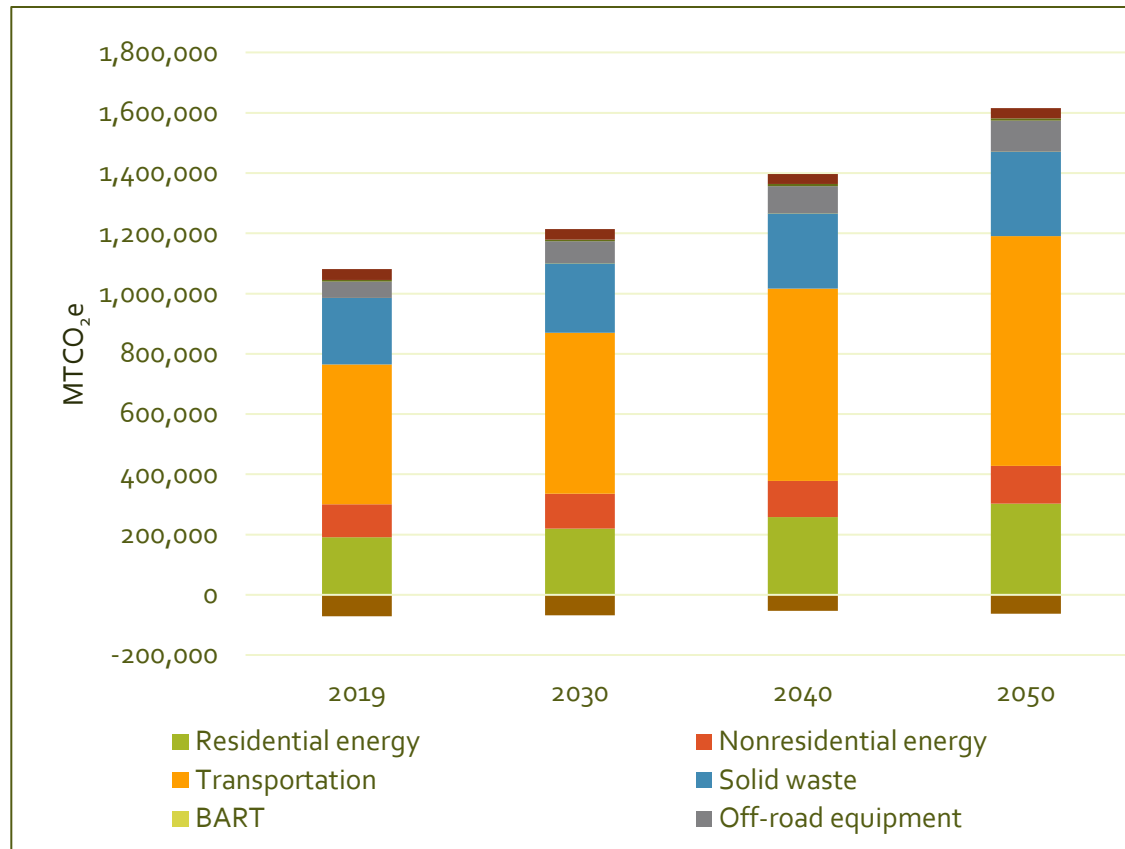


Per-Capita GHG Emissions by Sector, 2005-2019

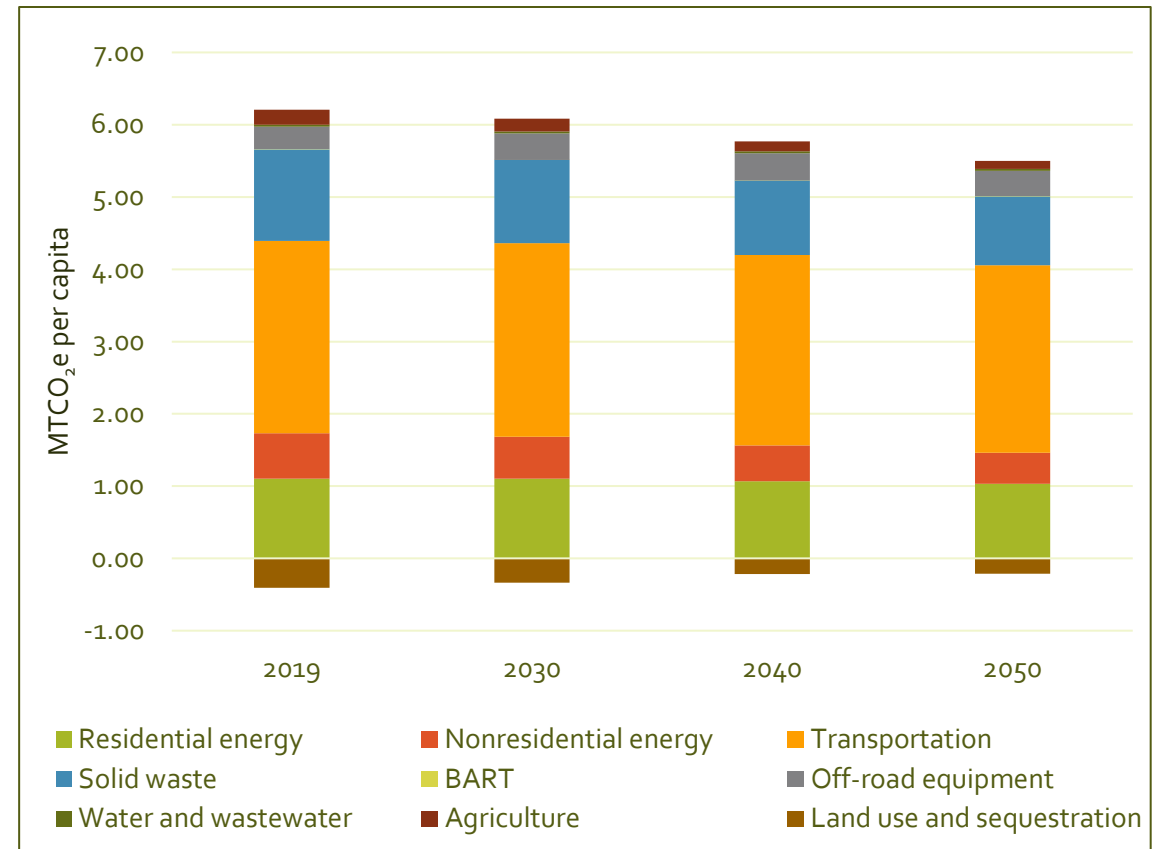


Forecast GHG Emissions in Contra Costa County

Absolute GHG Emissions Forecast, 2019-2050



Per-Capita GHG Emissions Forecast, 2019-2050



Draft Goals and Strategies

8 Goals

- Clean and Efficient Built Environment
- No-Waste Contra Costa
- Reduce Water Use and Increase Drought Resilience
- Clean Transportation Network
- Resilient Communities and Natural Infrastructure
- Climate Equity
- Leadership
- Implementation Strategies

28 Strategies

- 10 have quantifiable GHG reductions
- Remaining 18 support climate and sustainability actions but do not directly reduce GHG emissions or there is no feasible method to assess GHG emission reduction potential



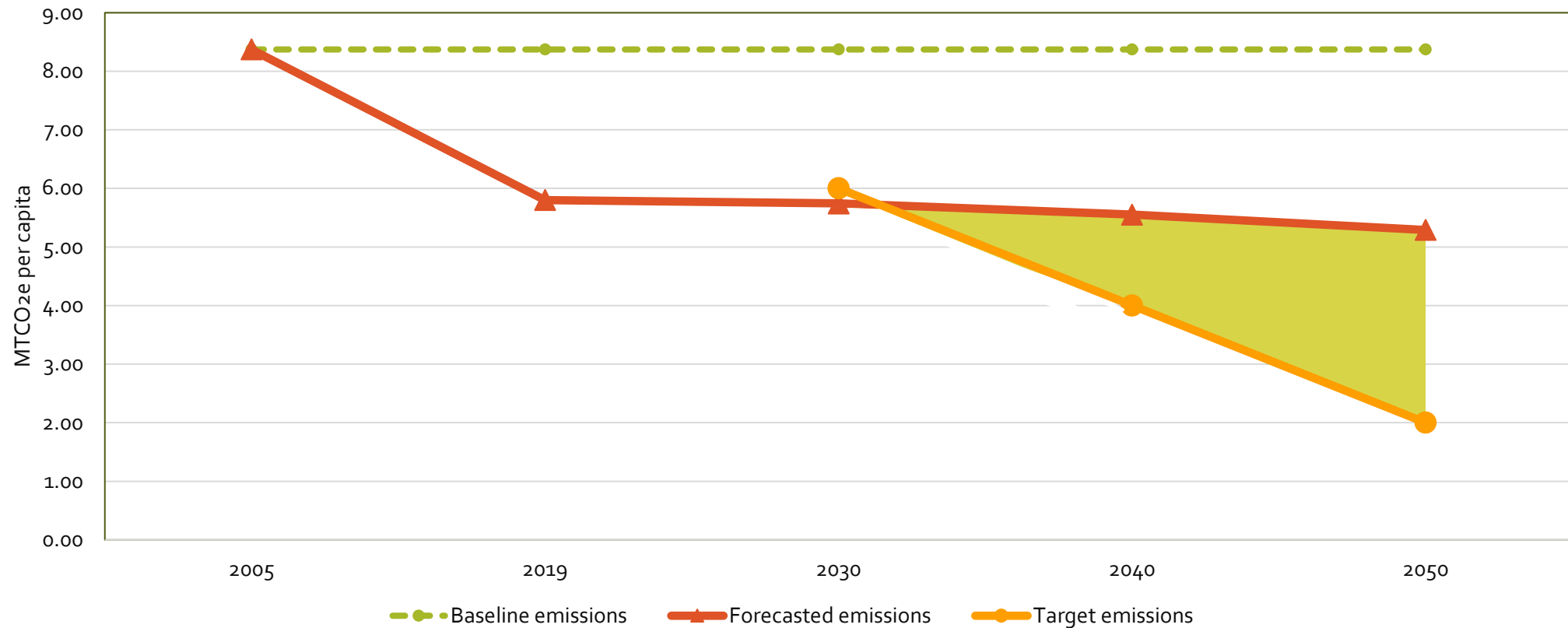
Draft Goals and Strategies

	Goal	Quantifiable?
Clean and Efficient Built Environment		
1.1	Require new buildings or additions built in unincorporated Contra Costa County, on or after January 1, 2023, to be low-carbon or carbon neutral.	✓
1.2	Retrofit existing buildings and facilities in unincorporated county, and County infrastructure, to reduce energy use and convert to low-carbon or carbon-neutral fuels.	✓
1.3	Increase the amount of electricity used and generated from renewable sources in the county.	✓
No-Waste Contra Costa		
2.1	Increase composting of organic waste	✓
2.2	Reduce waste from County operations	✓
2.3	Increase community-wide recycling and waste minimization programs	✓
Reduce Water Use and Increase Drought Resilience		
3.1	Reduce indoor and outdoor water use	✓
3.2	Ensure sustainable and diverse water supplies	
Clean Transportation Network		
4.1	Improve the viability of walking, biking, zero carbon commuting, and using public transit for travel within, to, and from the county.	✓
4.2	Increase the use of zero-emissions vehicles. Transition to a zero-emission County fleet by 2030 and a community fleet that is at least 50% zero-emission by 2030.	✓
Resilient Communities and Natural Infrastructure		
5.1	Protect against and adapt to changes in sea levels and other shoreline flooding conditions	
5.2	Protect against and adapt to increases in the frequency and intensity of wildfire events.	
5.3	Establish and maintain community resilience hubs	
5.4	Sequester carbon in natural and working lands in Contra Costa County	✓
5.5	Minimize heat island effects through the use of cool roofs and green infrastructure	
5.6	Protect the community against additional hazards created or exacerbated by climate change	

	Goal	Quantifiable?
Climate Equity		
6.1	Provide access to affordable, clean, safe, and healthy housing and jobs	
6.2	Invest in solutions to support climate equity	
6.3	Increase access to parks and open space	
6.4	Ensure residents have equitable, year-round access to affordable local fresh food	
6.5	Ensure that large industrial facilities act as good neighbors	
Leadership		
7.1	Establish Contra Costa County as a leader among local governments for addressing climate issues	
7.2	Continue to recognize the climate crisis as an emergency for Contra Costa County and make deep decarbonization a top County priority.	
Implementation Strategies		
8.1	Monitor and report progress toward achieving Climate Action Plan targets on an annual basis	
8.2	Continue collaborative partnership with agencies and community groups that support Climate Action Plan implementation with an emphasis on residents and community-based organizations from Impacted Communities	
8.3	Secure necessary funding to implement the Climate Action Plan	
8.4	Continue to update the baseline emissions inventory and Climate Action Plan every five years	
8.5	Maintain and update the Climate Action Plan to allow for greater resilience	

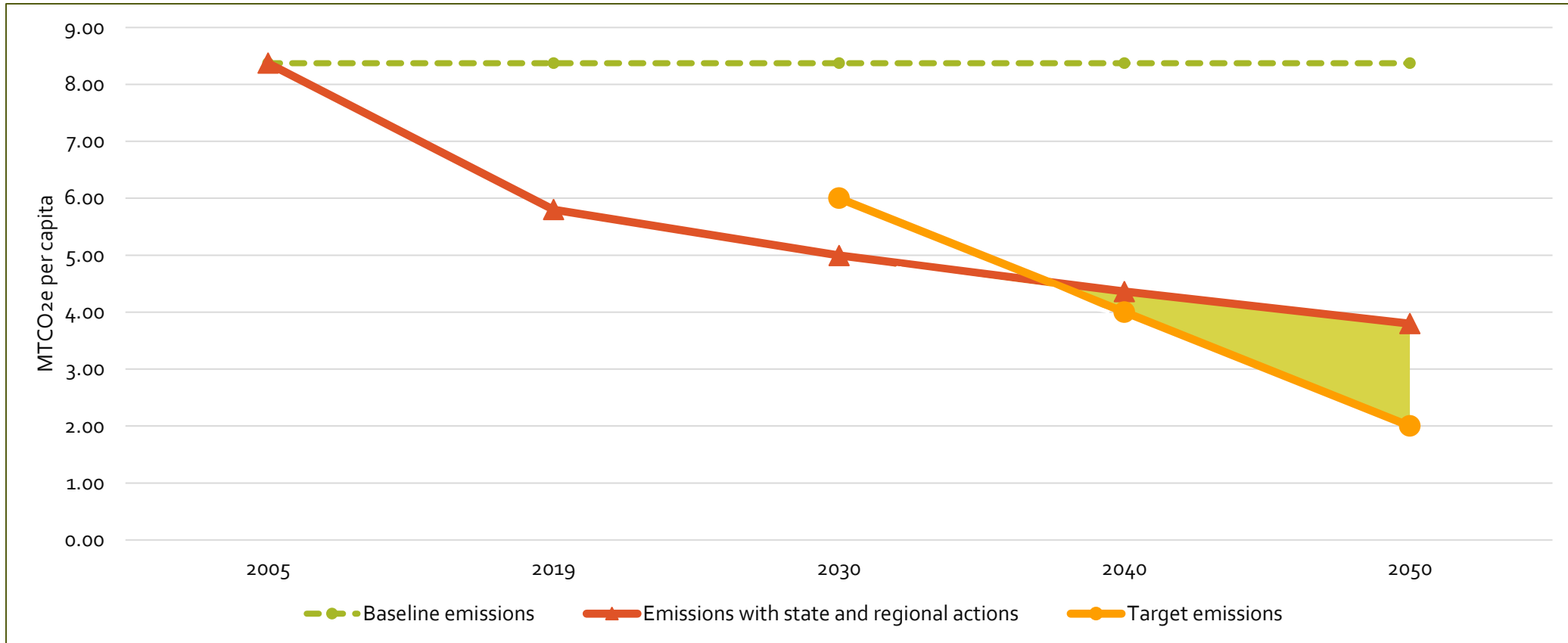
Forecast and Target

(aka business as usual – no action by State, MCE, others)

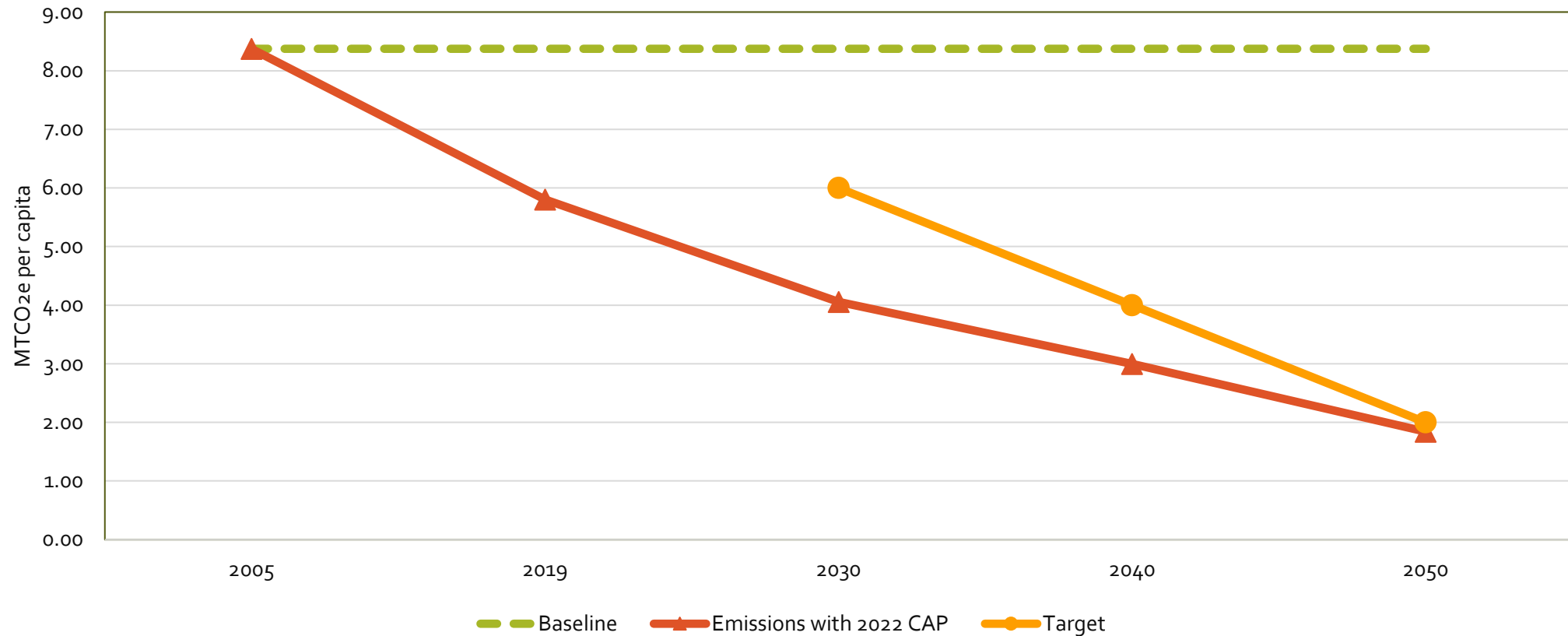


Existing Reductions and Target

(emissions projected with State and regional actions currently in place, i.e., renewable portfolio standard, clean car standard, low carbon fuel standard, MCE procurement policies)



Target and Emissions with 2022 CAP



Staff Recommendation

- 2022 CAP should include GHG emission reduction targets that are consistent with State guidance and for which there are demonstrable paths to achieving the necessary reductions.
- These recommended targets should be no greater than:
 - 6.0 MTCO₂e per-capita by 2030,
 - 4.0 MTCO₂e per-capita by 2040, and
 - 2.0 MTCO₂e per-capita by 2050.
- Additionally, the 2022 CAP include an aspirational target of achieving **net carbon neutrality by 2040 or 2045**, consistent with the State's aspirational target.



Black Diamond Mine Regional Park

**THANK
YOU!**
